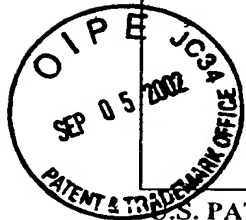


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Form PTO-1449

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520.30414R46SERIAL NO.
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KATO, et alFILING DATE
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3749

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
PAW	AA	4,836,905	6-6-89	Davis, et al.		
PAW	AB	4,923,584	5-8-90	Bramhall, Jr. et al.		
PAW	AC	4,643,629	2-17-87	Takahashi, et al.		
PAW	AD	5,186,718	2-16-93	Tapman, et al.		
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FOREIGN PATENT DOCUMENTS *

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation /Abstract	
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PAW	AM	60-246635	12-6-85	Japan		ABS	
PAW	AN	1-298180	12-1-89	Japan		ABS	
PAW	AO	2-94647	4-5-90	Japan		ABS	
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PAW	AR	1-310553	12-14-89	Japan		ABS	
PAW	AS	1-251734	10-6-89	Japan		ABS	
PAW	AT	63-153270	6-25-88	Japan		FTR	

OTHER DOCUMENTS * (Including Author, Title, Date, Pertinent Pages, Etc.)

PAW	AU	Terminological Dictionary of Semiconductor Equipment, Edited by Semiconductor Equipment Association of Japan, Published by Nikkan Kogyo Shinbun sha Inc. (1987) p. 183 (PTR)
PAW	AV	Semicon News, April 1987 (pp. 38-43) (PTR)
PAW	AW	VLSI Processing Equipment handbook, Ph. D. Kazuo Maeda (6-90), pp. 158 (PTR)
PAW	AX	Latest trend of process automation (Realize, Inc.) (1986), pp. 202 and 203
PAW	AY	Semicon News, Semicon/East '84, 12-1984, vol. 13., p. 199
PAW	AZ	"Semiconductor World", 1990/9, Published by Press Journal, Inc., pp. 136-7 (FTR)
Examiner <i>P. Wilson</i>		Date Considered 8/31/03

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FOREIGN PATENT DOCUMENTS *

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PAN	AM	62-44571	2-26-87	Japan		ABS	
PAN	AN	62-50463	3-5-87	Japan		ABS	
PAN	AO	2-106037	4-18-90	Japan		ABS	
PAN	AP	57-29577	2-17-82	Japan		ABS	
PAN	AQ	62-207866	9-12-87	Japan		FTR	
PAN	AR	59-094435	5-31-84	Japan		ABS	
	AS	63-57734	4-18-88	Japan			X
PAN	AT	63-133521	6-6-88	Japan		FTR/ABS	

OTHER DOCUMENTS * (Including Author, Title, Date, Pertinent Pages, Etc.)

PAN	AU	Electronic Parts and Materials, 1989, vol. 28, no. 3, pp. 22-29				
PAN	AV	Solid State Technology, 10/90, pp. 35-41				
PAN	AW	Solid State Technology, 12/90, pp. 37-47				
PAN	AX	Semiconductor World, pp. 106-111, 9/90				
PAN	AY	Semiconductor World, pp. 122-125, 9/90				
PAN	AZ	Semiconductor World, pp. pp. 110-113, 10/89				
Examiner J. Wilson				Date Considered 8/31/03		

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FOREIGN PATENT DOCUMENTS *

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PAW	AM	62-216315	9-22-87	Japan		ABS	
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PAW	AP	58-93321	6-3-83	Japan		ABS	
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	AS	58-95636	6-29-83	Japan			X
PAW	AT	1-316957	12-21-89	Japan		ABS	

OTHER DOCUMENTS * (Including Author, Title, Date, Pertinent Pages, Etc.)

PAW	AU	Semiconductor World, pp. 52-53, 8/91
PAW	AV	European Search Report, 1/92, re 91307625.3
PAW	AW	European Search Report, 4/98, re 97111628.0
PAW	AX	European Search Report, 3/99, re 981061625
PAW	AY	JP application No. 3-234408, Notification of Reasons for Refusal, 1-28-97 (TR)
PAW	AZ	JP application No. 2646905, Notification Reasons for Revocation 12-15-98 (TR)
Examiner <i>J. Wilson</i>		Date Considered 8/31/03

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PAW	AM	2-178946	7-11-90	Japan		PTR/ABS	
PAW	AN	62-132321	6-15-87	Japan		PTR/ABS	
	AO	63-131123	8-26-88	Japan		PTR	
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PAW	AQ	0381338	8-8-90	Europe			
PAW	AR	0246453	11-25-87	Europe			
	AS	2-65252	3-5-90	Japan		PTR	
PAW	AT	1-135015	5-26-89	Japan		ABS	

OTHER DOCUMENTS * (Including Author, Title, Date, Pertinent Pages, Etc.)

PAW	AU	JP application No. 2646905, Notice of Reasons for Revocation 7-21-99 (TR)
PAW	AV	Decision for Patent Opposition, Opposition No. 10-70995 (10-99) (TR)
PAW	AW	JP application No. 2-225321, Notification of Reasons for Refusal 10-15-96 (TR)
PAW	AX	JP application No. 8-335329, Interview Record (TR)
PAW	AY	JP application No. 8-335329, Notification of Reasons for Refusal 9-30-97 (TR)
PAW	AZ	JP application No. 8-335329, Notification of Reasons for Refusal 4-7-98 (TR)

Examiner	<i>P. Wilson</i>	Date Considered	8/31/03
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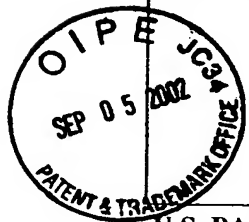
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PAW	AO	58-108641	6-28-83	Japan			ABS	
PAW	AP	1-120811	5-12-89	Japan			ABS	
PAW	AQ	61-250185	11-7-86	Japan			ABS	
PAW	AR							
PAW	AS							
PAW	AT							

OTHER DOCUMENTS * (Including Author, Title, Date, Pertinent Pages, Etc.)

PAW	AU	JP patent No. 2816139, Notice of Reasons for Revocation 11-21-99 (TR)					
PAW	AV	Official Decision on Opposition to Grant of Patent 1999-71584 1-12-01 (TR)					
PAW	AW	JP application No. 9-329873, Notification of Reasons for Refusal 7-14-98 (TR)					
PAW	AX	JP application No. 9-329873, Notification of Reasons for Refusal 11-10-98 (TR)					
PAW	AY	JP patent No. 2942527, Notice of Reasons for Revocation 6-27-00 (TR)					
PAW	AZ	Decision on Opposition to the Grant of a Patent 2000-70844 1-12-01 (TR)					
Examiner <i>P. Wilson</i>					Date Considered <i>8/31/03</i>		

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OTHER DOCUMENTS * (Including Author, Title, Date, Pertinent Pages, Etc.)

PAW	AU	JP application No. 11-001263, Notification of Reasons for Refusal 2-2-00 (TR)
PAW	AV	JP application No. 2000-05449, Notification of Reasons for Refusal 9-6-00 (TR)
PAW	AW	JP application No. 2000-054450, Notification of Reasons for Refusal 9-6-00 (TR)
PAW	AX	JP application No. 2000-054451, Notification of Reasons for Refusal 9-6-00 (TR)
PAW	AY	JP application No. 2000-054452, Notification of Reasons for Refusal 9-6-00 (TR)
PAW	AZ	EP91307625, Office Action 10-11-93

Examiner *P. Wilson*Date Considered
8/31/03

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	AP						
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	AR						
	AS						
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OTHER DOCUMENTS * (Including Author, Title, Date, Pertinent Pages, Etc.)

PAN	AU	EP91307625, Summons to attend oral proceedings 12-9-99
PAN	AV	EP91307625, Communication of a notice of opposition 11-19-98
PAN	AW	EP91307625, Interlocutory decision in Opposition proceeding, 5-16-00
PAN	AX	EP91307625, Minutes of the oral proceedings, 3-9-00
PAN	AY	EP97111628, Office action 12-1999
PAN	AZ	EP97111628, Office action 11-2000

Examiner <i>P. W. Nelson</i>	Date Considered <i>8/31/03</i>
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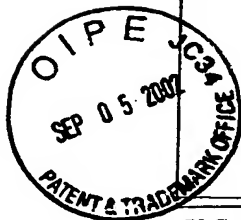
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	AP						
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	AS						
	AT						

OTHER DOCUMENTS * (Including Author, Title, Date, Pertinent Pages, Etc.)

PAN	AU	EP97111628, Office action 6-2001
PAN	AV	EP98106162, Office action 11-2000
PAN	AW	EP98106162, Office action 6-2001
PAN	AX	KR application No. 14984/91, Preliminary Notice of Ground(s) for Rejection (TR)
PAN	AY	KR application No. 184682-00-00 Notice of Decision on Opposition to the Granted Patent 10-4-2000 (TR)
PAN	AZ	KR application No. 184682, Trial Decision 8-1-00 (TR)

Examiner <i>P. Wilson</i>	Date Considered <i>8/31/03</i>
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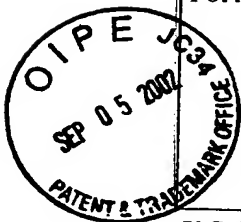
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OTHER DOCUMENTS * (Including Author, Title, Date, Pertinent Pages, Etc.)

FAW	AU	KR application No. 46756/98, Preliminary Notice of Ground(s) for Rejection 1-20-99 (TR)
PAW	AV	KR application No. 212874, 12-22-00, Notice of Decision on Opposition to the Granted Patent
PAW	AW	KR application No. 46757/98, Preliminary Notice of Ground(s) for Rejection 1-20-99 (TR)
PAW	AX	KR application No. 212819, 12-22-00, Notice of Decision on Opposition to the Granted Patent (TR)
FAW	AY	JP patent No. 3145359, Notice of Reasons for Revocation 12-18-01 (TR)
FAW	AZ	JP patent No. 3145375, Notice of Reasons for Revocation 12-18-01 (TR)
Examiner <i>P. Wilson</i>		Date Considered <i>8/21/03</i>

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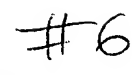
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	AP						
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OTHER DOCUMENTS * (Including Author, Title, Date, Pertinent Pages, Etc.)

PAW	AU	JP patent No. 3145375, Notice of Reasons for Revocation 12-18-01 (TR)
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Examiner <i>P. Wilson</i>		Date Considered <i>8/31/03</i>

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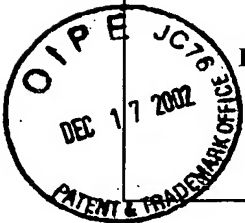
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

PAN	AU	Office Action dated 9-3-2002, in corresponding Japanese Patent Application 2000-040579
PAN	AV	Decision of the Tokyo High Court, Case No. 58, on oral proceedings, dated September 17, 2002
PAN	AW	Office Action dated 9-3-2002, in corresponding Japanese Patent Application 2000-040580
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